

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 586 AND ATLANTIC AVE IN MONTGOMERY COUNTY. MD 586 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, SEMI-TRAFFIC-ACTUATED MODE. THERE IS EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR BOTH APPROACHES OF MD 586. MD 586 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY AND PEDESTRIAN MOVEMENT TO CROSS THE SOUTH LEG OF ATLANTIC AVE OPERATES CONCURRENTLY. THERE IS EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR BOTH APPROACHES OF ATLANTIC AVE. ATLANTIC AVE THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. THERE IS AN ALTERNATE PEDESTRIAN PHASE FOR THE EAST AND WEST LEG OF THE INTERSECTION.

EQUIPMENT LIST FOR CONTRACT NO. XX3515168

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
9042	1	EA	[UPDATED] CONTROLLER ASC II WITH TELEMETRY
9044	1	EA	[UPDATED] CONTROLLER CABINET, SIZE 6
9086	1	EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS
9570	23	SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN
	2	EA	R4-7 (24" X 30") GROUND MOUNTED
	1	EA	R3-4 (30" X 30") GROUND MOUNTED
	1	EA	R5-2 MODIFIED (30" X 30") GROUND MOUNTED
9571	114	SF	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
	8	EA	D-3 (VAR. X 16") MAST ARM MOUNTED
	1	EA	R3-5(R) (30" X 36") MAST ARM MOUNTED
	6	EA	R10-3(I) (9" X 15") POLE MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1003	1	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
5004	10	LF	12" HEAT APPLIED WHITE PERM PREF THERMO PVMT MARKINGS
5005	30	LF	24" HEAT APPLIED WHITE PERM PREF THERMO PVMT MARKINGS
5006	65	LF	5" HEAT APPLIED WHITE OR YELLOW PERM
5007	310	LF	REM OF EXISTING PERM PVMT LINE MARKINGS ANY WIDTH
6001	15	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	200	SF	5 INCH CONCRETE SIDEWALK
8006	1	EA	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP & LUMINAIRE
8007	6	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS
8008	6	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8013	6	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS
8015	1	EA	MAST ARM POLE & 38 FT MAST ARM
8018	3	EA	MAST ARM POLE & 50 FT MAST ARM
8021	1	EA	REM & DISPOSE MAT & EQUIP PER ASSIGN
8025	4	EA	VIDEO DETECTION CAMERA & CABLE UP TO 500 FT
8028	215	LF	12 - PAIR COMMUNICATION CABLE, OVERHEAD/UNDERGROUND
8031	385	LF	DISCONNECT, PULL-BACK & REROUTE CABLE
8033	445	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED
8035	150	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8036	35	LF	WOOD SIGN SUPPORTS UP TO 4 X 6
8038	137	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8040	595	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8042	1	EA	METERED SERVICE PEDESTAL EMBEDDED
8030	180	LF	CABLE- 1 CONDUCTOR, 2/0 AWG
8045	50	LF	ELECTRICAL CABLE - 1 CONDUCTOR NO. 8 AWG-THHN/THWN
8046	4	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8050	44	EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8054	640	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8056	800	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8057	1590	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8058	100	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TC
8064	1	EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT
8065	1	EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT

CONTACTS

The contact persons for District #3 are as follows:

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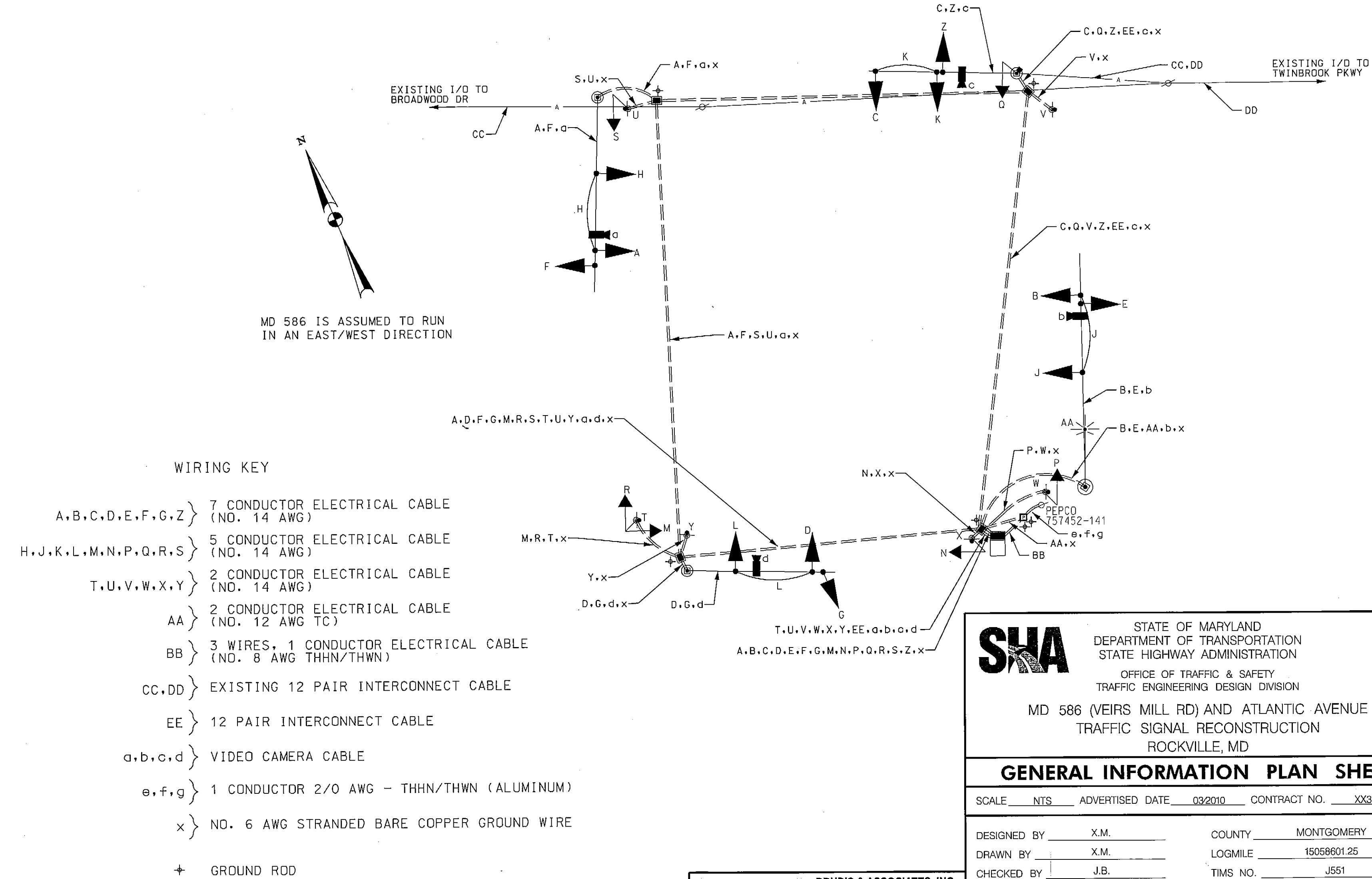
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Mr. Keith Lord
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PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
PHASE 1 AND 5	←GR	←GR	R	←GR	←GR	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																		
PHASE 1 AND 6	←GG	←GG	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 AND 6 CHANGE	←YG	←YG	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 AND 5	R	R	R	←GR	←GR	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
2 AND 5 CHANGE	R	R	R	←YG	←YG	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	FLDW	FLDW	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	FLDW	FLDW	FLDW	FLDW
4 AND 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 586 (VEIRS MILL RD) AND ATLANTIC AVENUE
TRAFFIC SIGNAL RECONSTRUCTION
ROCKVILLE, MD

GENERAL INFORMATION PLAN SHEET

SCALE NTS ADVERTISED DATE 03/2010 CONTRACT NO. XX3515168

DESIGNED BY X.M. COUNTY MONTGOMERY
DRAWN BY X.M. LOGMILE 15058601.25
CHECKED BY J.B. TMS NO. J551
F.A.P. NO. TOD NO.

TS NO. 804B DRAWING - OF SHEET NO. 3 OF 3



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